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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/732,770	12/09/2003	Evangelos Zoidis	450117-04827	6949

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EXAMINER

BLACKMAN, ROCHELLE ANN J

ART UNIT PAPER NUMBER

2851

DATE MAILED: 07/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/732,770

Applicant(s)

ZOIDIS ET AL.

Examiner

Rochelle Blackman

Art Unit

2851

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 18 April 2005.  
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-8, 10-20 and 22-26 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 4, 5, 20, 22 and 25 is/are rejected.  
7) ☒ Claim(s) 1-3, 6-8, 10-19, 23, 24 and 26 is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.  
10) ☒ The drawing(s) filed on 09 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☒ All b) ☐ Some \* c) ☐ None of:  
1. ☒ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_.

## **DETAILED ACTION**

### ***Response to Arguments***

Applicant's arguments with respect to claims 1-8, 10-20, and 22-26 have been considered but are moot in view of the new ground(s) of rejection.

### ***Claim Objections***

1. Claims 1, 4, 7, 19, and 23-26 are objected to because a broad range or limitation followed by linking terms (e.g., preferably, maybe, for instance, especially, and in particular) together with a narrow range or limitation that falls within the broad range or limitation (in the same claim) is considered indefinite, since the resulting claim does not clearly set forth the metes and bounds of the patent protection desired. See MPEP § 2173.05(d). Applicant's attention is directed to the linking term, "in particular", recited in lines 8 and 9 of claim 1, lines 12 and 13 of claim 4, line 7 of claim 7, lines 5 and 7 of claim 19, lines 5, 6, and 12 of claim 23, lines 3-4 of claim 24, line 2 of claim 25, and line 2 of claim 26. Appropriate correction is required.
2. Claims 4, 19, 24, and 25 are objected to because of the following informalities: the claims recite the limitation "said support or bearing unit" in lines 17 and 18 of the claim 4, line 6 of claim 19, line 2 of claim 24, and line 3 of claim 25. There is insufficient antecedent basis for this limitation in the claim.

3. Claim 6 is objected to because of the following informalities: the claim recites the limitation "said fixing means" in lines 17 and 18 of the claim 4 and line 3 of claim 25.

There is insufficient antecedent basis for this limitation in the claim.

4. Claims 10-12 are objected to because of the following informalities: claims 10-12 depend upon cancelled claim 9. Appropriate correction is required.

5. Claims 20, 23, 24, and 26 are objected to because of the following informalities: the claims recite the limitation "said objective cover unit" in line 2 of the claims. There is insufficient antecedent basis for this limitation in the claim.

6. Claim 24 is objected to because of the following informalities: the claim recites the limitation "said abutment surfaces" in line 3 of the claim. There is insufficient antecedent basis for this limitation in the claim.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 4, 5, 20, and 25 are rejected under 35 U.S.C. 102(b) as being anticipated by Lloyd (UK Patent Application No. 2355080).

Regarding claim 4, Lloyd discloses a projector arrangement (see Figures 1-4), comprising a projector unit (see Figures 1-4) having an objective unit (see 15, 55, and 27 of Figures 1-4) for optically projecting images, in particular on an external screen

(see *projection surface* on pg. 6, line 26), wherein a surface region (see 1 of Figures 1, 2, and 4) is provided having a plurality of locations and/or portions (see surface of 1 in Figures 1, 2, and 4) being adapted for directly or indirectly resting on, an external operation or working surface (this is considered to be the surface element 5 is sitting or resting on in Figures 1 and 2), in an operation mode or projecting mode of said projector arrangement and wherein each of said locations and/or portions of or on said projector unit are chosen to be assigned to and/or to realize a distinct position and/or orientation of said objective unit in said operation mode or projecting mode of said projector arrangement (see pg. 4 lines 3-7) and wherein said projector unit comprises a base portion (see 1 of Figures 1, 2, and 4) having a surface (also see 1 of Figures 1, 2, and 4), in particular as said surface region of said projector unit, at least a part of which being continuously and/or smoothly curved in an at least local convex manner (see surface of 1 in Figs. 1, 2, and 4), in particular so as to realize said plurality of said locations/portions, positions/orientations and/or projection angles or inclination angles, in particular on its surface, and/or in particular so as to enable in said operation mode of said projector arrangement a resting or supporting of said projector unit on said support or bearing unit (see pg. 4, lines 3-7).

Regarding claim 5, Lloyd discloses wherein fixing means (see 5 of Figures 1 and 2) is/are provided for detachably fixing said projector unit in each of said locations and/or portions and in each of said distinct positions and/or orientations, when resting in or on a respective location and/or portion.

Regarding claim 20, Lloyd discloses wherein said objective cover unit and/or said projector unit are formed and/or are adapted to provide a continuously distributed plurality of said locations/portions (P2, P3, P4), positions/orientations and/or projection angles or inclination angles (see surface of 1 in Figures 1, 2, and 4 and pg. 4, lines 3-7).

Regarding claim 25, Lloyd discloses wherein said projector unit and in particular its base portion have a shape and/or a mass distribution so as to ensure to be supported by said support or bearing unit in mass or gravitational equilibrium (see surface of 1 in Figures 1, 2, and 4 and pg. 4, lines 3-7).

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 22 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lloyd (UK Patent Application No. 2355080) in view of Tada (JP Patent No. 2002-296670).

Lloyd discloses the claimed invention except for "wherein an objective cover unit is formed as a detachable cap for said objective unit".

Tada teaches providing an objective cover unit (see 1 of Drawings 1-3) is formed as a detachable cap for an objective unit (see 32 of Drawing. 3).

It would have been obvious to one ordinary skill in the art at the time the invention was made to provide the "objective unit" of the "projector arrangement" of the Lloyd reference with an objective cover unit formed as a detachable cap for the "objective unit", as taught by Tada for purpose of covering the objective unit when not in use, thus preventing dust and/or dirt from forming on the "objective unit" and preventing the "objecting unit" from being scratched or scuffed.

#### ***Allowable Subject Matter***

1. Claims 1-3, 7, 8, and 10-17 would be allowable if rewritten or amended to overcome the objections, set forth in this Office action.
2. Claims 6, 19, 23, 24, and 26 would be allowable if rewritten to overcome the objections, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

#### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rochelle Blackman whose telephone number is (571) 272-2113. The examiner can normally be reached on M-F 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen can be reached on (571) 272-2258. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2851

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

RB

  
**JUDY NGUYEN**  
SUPERVISORY PATENT EXAMINER